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State of Illinois  
Rod R. Blagojevich, Governor



Department of  
Commerce and Economic Opportunity  
Jack Lavin, Director

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# Smart Energy Design Assistance Program

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**Working Towards  
Smarter Buildings  
with the  
Smart Energy Design  
Assistance Center**



# Smart Energy Design Assistance Program Application

Applicant \_\_\_\_\_ Date \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Contact name \_\_\_\_\_

Phone (\_\_\_\_) \_\_\_\_\_ Fax (\_\_\_\_) \_\_\_\_\_

E-mail \_\_\_\_\_

Project name \_\_\_\_\_

Project location \_\_\_\_\_

City \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Construction type:  New  Addition  Renovation Square Footage: \_\_\_\_\_

Number of employees (this location / all locations): \_\_\_\_\_ / \_\_\_\_\_

Natural gas \$ \_\_\_\_\_ per year Gas Co. \_\_\_\_\_ Account Number: \_\_\_\_\_

Electric \$ \_\_\_\_\_ per year Electric Co. \_\_\_\_\_ Account Number: \_\_\_\_\_

Are copies of utility bills available for 12 months?  yes  no

Are preliminary design drawings or as-builts available?  yes  no

Proposed construction start date / completion date \_\_\_\_\_ / \_\_\_\_\_

Project financing secured?  yes  no Projected project cost \$ \_\_\_\_\_

Description of project \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Referred by: \_\_\_\_\_

## Applicable Design Information

**Architectural firm** \_\_\_\_\_ Contact name \_\_\_\_\_

Phone (\_\_\_\_) \_\_\_\_\_ E-mail \_\_\_\_\_

**Mechanical engineering firm** \_\_\_\_\_ Contact name \_\_\_\_\_

Phone (\_\_\_\_) \_\_\_\_\_ E-mail \_\_\_\_\_

**Electrical engineering firm** \_\_\_\_\_ Contact name \_\_\_\_\_

Phone (\_\_\_\_) \_\_\_\_\_ E-mail \_\_\_\_\_

**Design/build firm** \_\_\_\_\_ Contact name \_\_\_\_\_

Phone (\_\_\_\_) \_\_\_\_\_ E-mail \_\_\_\_\_

For SEDAC services, please fax this completed form to SEDAC at: 312-264-2379 (fax) or mail a copy to:  
Andrea Reiff, 620 E. Adams St., Springfield, IL 62701.

For questions, call Andrea Reiff at 217-785-0164 or the Smart Energy Design Assistance Center at 800-214-7954.

This form can be accessed electronically at [www.sedac.org](http://www.sedac.org)



The Illinois Department of Commerce and Economic Opportunity (DCEO) invites you to participate in the Smart Energy Design Assistance Program, which encourages public facilities, small business owners, design professionals, and building contractors to incorporate renewable energy systems and energy cost reduction practices.



## How can Smart Energy Design Assistance help your business?

The Smart Energy Design Assistance program supports the Smart Energy Design Assistance Center (SEDAC) which is managed by the School of Architecture at the University of Illinois at Urbana-Champaign (UIUC).

### SEDAC services include:

- free technical design assistance services for Illinois public sector and for-profit business to identify opportunities for saving energy and money
- education and training (for both working professionals and students)
- information on incentives, Illinois building energy codes, tax incentives through the 2005 Energy Policy Act, energy rates, and sources of loans and grants
- a network of Energy Service Providers



- an informative website at: [www.sedac.org](http://www.sedac.org)

Together, these activities provide a tremendous opportunity to significantly reduce energy costs, achieve sizeable environmental benefits and improve the bottom line.

## What services does SEDAC design assistance offer?

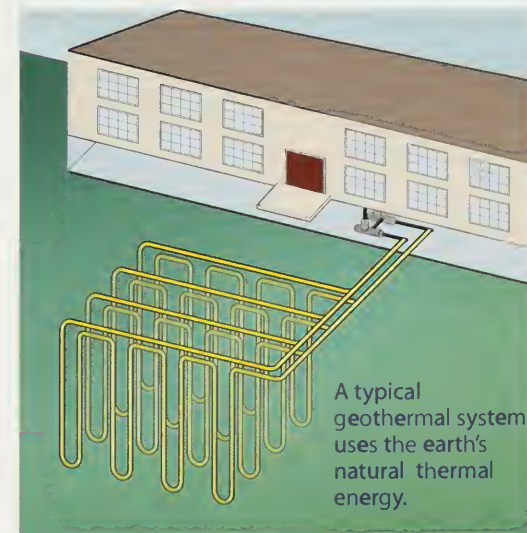
- **Energy Audit:** includes plan review and site visit
- **Utility Bill Analysis:** for existing buildings to determine when and where energy is used
- **Recommendations:** for energy cost reduction strategies
- **Modeling:** estimation of energy costs and savings after implementation
- **Investment Analysis:** Return on investment and life cycle cost presented
- **Implementation Assistance:** vendors, contractors, consultants, information on incentives, loans and grants



## Working Towards Better Buildings with SEDAC

Architects, engineers and building owners and operators make many decisions regarding the design of a new building or retrofit of an existing building that have implications for construction cost and life cycle energy and maintenance costs. These design decisions can significantly influence a building's performance, especially with current rising energy costs. SEDAC can help you optimize building performance by addressing questions like:

- How much insulation should be placed in the walls or roof?
- What type of windows should be used; standard insulated glass, Low-E, or triple pane?
- What difference would a high reflectance roof make?
- What are the differences in lighting systems?
- What is a geothermal system?



- What type of heating and cooling system is recommended?
- Can you verify the energy savings the salesman claims?



Workforce Development Center at Heartland Community College in Normal was the first state-funded LEED project in Illinois. Heartland has applied for LEED Silver certification.

Determining the operating and maintenance costs of various design options is not simple. Making a wise decision is difficult because the initial construction cost and life cycle maintenance costs among various design options can often differ dramatically. Analysis of these options during the early stages of design will lead to informed decisions resulting in the design, construction, and operation of a more energy efficient building. SEDAC can provide this assistance for you whether you are a business owner, public facility operator, contractor, architect, or engineer.





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## Smart Energy Design Assistance Center (SEDAC)

800-214-7954 • 312-264-2379 (fax)

[www.sedac.org](http://www.sedac.org)
[info@sedac.org](mailto:info@sedac.org)

## DCEO Public Sector Electric Efficiency Programs

(ComEd and Ameren Illinois electric service territories only)

*Standard Incentive Program**Custom Incentive Program**New Construction Program**Retro-commissioning Program*
[www.illinoisenergy.org](http://www.illinoisenergy.org)

## DCEO Education and Training Programs

*Large-customer Energy Analysis Program (LEAP)**Energy Performance Contracting (EPC)**Lights for Learning Lightbulb Fundraiser for Schools**Other efficiency trainings such as Codes, Building**Beyond Code*
[www.illinoisenergy.org](http://www.illinoisenergy.org)
*Building Operating Certification*
[www.boccentral.org](http://www.boccentral.org)

## Low Income Energy Efficiency Programs

*IL Energy Efficient Affordable Housing Construction Program**Low Income Energy Efficient Residential Retrofit Program*

## DCEO Recycling Programs

[www.illinoisrecycles.com](http://www.illinoisrecycles.com)

## DCEO Business Loan and Grant programs

[www.illinoisbiz.biz](http://www.illinoisbiz.biz)

[www.energystar.gov](http://www.energystar.gov)

[www.sedac.org](http://www.sedac.org)

# dceo

**Illinois Department of  
Commerce & Economic Opportunity**

Bureau of Energy &amp; Recycling

[www.illinoisenergy.org](http://www.illinoisenergy.org)